

MAJOR COMPUTER SCIENCE

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KLINKAEW NOPAWONG NA AYUDHIYA . A DESIGN OF INFORMATION SYSTEM IN REGISTRATION AND MEDICARE SYSTEM.

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This thesis aims to design an information system for the Social Security Office's Registration and Medicare and to develop an information system prototype by employing relational database management system.

Three information systems have been developed. One is for employers, another for insured employees and the last one is for Medicare service. In addition to the relational database management system, a logical model is used to analyse and design the systems, while Microsoft Access acts as the user interface.

The systems work in a client - server configuration by utilizing (1) a minicomputer as the database server and (2) a microcomputer with application programs as the client which is connected with the network in the office.

The thesis results in information systems that enable users to work efficiently. For example, users can check all information needed and issue member cards and registration forms immediately. Payments to hospitals can be made within a short time.

The systems reduce operating time and are useful for all social security branch offices. The prototype will serve as a basis for further development of other systems for the Social Security Office's work, such as the contribution system and the compensation system.

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